

Polymer	Characteristics	Application	Quality	Product Number
polyethylene	PE flame retarded	injection moulding	prime	258000

Properties (in natural colour at 23°C)	Unit	Test Method	Value
General			
Symbols and abbreviated terms		STN EN ISO 1043-1	PE
Density	g/cm ³	STN EN ISO 1183-1	1,01
Type of the filler: GF, GB, MF, G			
Stabilisation: TS, LS, K			
Modification: FR, HI, MI, ME			FR
Colour: NA, F, BK			NA/F
Processing			
Processing method: IM, E	°C		IM
Melting point DSC	°C	STN EN ISO 11357-1	130
Melt temperature range	°C		170-190
Mould temperature range	°C		30-50
Injection pressure	MPa		50-80
Drying: temperature/time	°C/H		
Water content	%	STN EN ISO 3344	
Melt flow rate 190°C/2,16 kg	g/10 min	STN EN ISO 1133	15
Manufacturing shrinkage length / width	%	STN EN ISO 294-4	2,38/2,17
Mechanical			
Tensile strength	MPa	STN EN ISO 527-2	18
Elongation	%	STN EN ISO 527-2	33
Tensile modulus	MPa	STN EN ISO 527-2	1200
Flexural modulus	MPa	STN EN ISO 178	900
Flexural strength	MPa	STN EN ISO 178	21
Charpy impact strength 23°C	kJ/m ²	STN EN ISO 179	NB
Charpy impact strength -20°C	kJ/m ²	STN EN ISO 179	45
Charpy notched impact strength 23°C	kJ/m ²	STN EN ISO 179	10
Charpy notched impact strength -20°C	kJ/m ²	STN EN ISO 179	6
Thermal			
Heat deflection temperature	°C	STN EN ISO 75-2 (A)	55
Vicat softening point B	°C	STN EN ISO 306	100
Flammability			
Flammability	°flam.	UL - 94	V 2 (1,6mm)
Glow wire test	°C	STN EN 60695-2-12	850 (3mm)

Electrical			
Comparative tracking index CTI, A	V	STN EN 60112	500
Volume resistivity	Ohm.m	STN 34 6460	1X10 ¹⁴
Surface resistivity	Ohm	STN 34 6460	1X10 ¹⁶
Electric strength	kV/mm	STN EN 60243-2	28

Features

Modified PE, flame retarded with halogen based flame retardant, for injection moulding. Product meets 850°C glow wire and flammability in accordance with UL 94 V2. Delivered in the full RAL colour scale.

Packaging, transportation, storage

The product is packed either in hermetically closed thick-walled 25 kg PE bags placed on a 1.000 kg palette coated by a stretch film, or in PE bag inserted in bigbag placed on a 1.000 kg palette or in PE bag inserted in paper octabin placed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation.

NOTE:

Data and values are average measured values, they are intended for technical service advices and can be changed without prior notice.

Contact: Sales Department;

Tel: +421 2 44 259160; fax: +421 2 44259223; E-mail: office@plastcom.sk; Url: www.plastcom.sk

Centrála:

Plastcom, spol. s r.o.
Hattalova 4, 831 03 Bratislava
Tel: 00421 2 44 259 160
Fax: 00421 2 44 259 223

Závod:

Plastcom, spol. s r.o.
Štúrova 53, 949 01 Nitra
Tel: 00421 37 77 29 419
Fax: 00421 37 77 29 418

Spoločnosť je zapísaná
v Obchodnom registri Okresného súdu
Bratislava I.,
oddiel Sro, Vložka číslo: 903/B