

TECHNICAL DATA SHEET

SIPOLPRENE® 35180

DESCRIPTION

Sipolprene® 35180 is an ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 35, a low modulus, and a rheological behaviour, which makes it suitable for injection molding and extrusion processing.

Sipolprene® 35180 comes in a natural color with a standard stabilisation package, fully in compliance with American FDA and European EU 10/2011 Food Contact Regulations.

Black color and/or UV stabilised and/or heat stabilised are all available in dry blend version on request.

TECHNICAL CHARACTERISTICS

Properties	Test methods		U.M.	Product
	ASTM	ISO		
Density	D 792	1183	g/cm ³	1.12
Hardness (instantaneous)	D 2240	868	Shore D	35
Strength at break	D 638	527	MPa	26
Elongation at break	D 638	527	%	800
Flexural Modulus	D 790	178	MPa	45
Tear Strength	D 1004	-	N/mm	113
Melting Temperature	D 3418	3146	°C	177
Vicat A/50	D 1525	306	°C	111
Abrasion resistance	DIN 53516		mm ³	26
Water absorption (23°C x 24 h immersion)	MI / 08		%	0.73
MFI 230°C 2.16 Kg	D 1238	1133	g/10 min	34
Izod impact resistance/notched (23°C)	D 256	-	J/m	No break

Last applicable edition of the Norm is valid as reference.

PACKAGING

Moisture proof bags of 25 kg net.
Octabins of 500 kg net with PE film inside

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