

## TECHNICAL DATA SHEET

### SIPOLPRENE® 46185

#### DESCRIPTION

Sipolprene® 46185 is an ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 44, a low modulus, and a rheological behaviour, which makes it suitable for injection molding and extrusion processing.

Sipolprene® 46185 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 <sup>3</sup>	1.16
Hardness (instantaneous)	D 2240	868	Shore D	44
Strength at break	D 638	527	MPa	34
Elongation at break	D 638	527	%	700
Flexural Modulus	D 790	178	MPa	80
Tear Strength	D 1004	-	N/mm	142
Melting Temperature	D 3418	3146	°C	186
Vicat A/50	D 1525	306	°C	149
Abrasion resistance	DIN 53516		mm <sup>3</sup>	19
Water absorption (23°C x 24 h immersion)	MI / 08		%	0.45
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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Revision n°: 3

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