

Sipolprene® 46185 (TPC-ET)

Sipol spa Società Italiana Polimeri

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

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	34	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Stress at Break	32	MPa	ISO 527
Strain at Break	700	%	ISO 527
Flexural Modulus (23°C)	80	MPa	ISO 178
Shore Hardness D (15s)	45	-	ISO 868
ASTM Data			
Taber Abrasion Resistance	55	mg/1000 cycles	ASTM D 1044
Notched Impact Strength (Izod), 1/8 in	no break	J/m	ASTM D 256
Notched Impact Strength (Izod), Low-Temperature	no break	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	186	°C	ISO 11357-1/-3
Glass Transition Temperature (10°C/min)	-38	°C	ISO 11357-1/-2
Vicat softening temperature A	149	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1150	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Natural Color

Certifications

Food approval, Food approval 10/2011, Food Contact (FDA)