Sipolprene® 35150 B

Thermoplastic Copolyester Elastomer

SIPOL S.p.A

Message:

Sipolprene® 35150 B (black color version in dry blend) is a block ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 36, a low modulus, and a rheological behaviour that makes it suitable for injection moulding and extrusion processing. It has been specifically developed with a low melting point which makes it suitable for blending with PVC to make soft compounds plasticizer free.

General Information	
Uses	Blending Compounding
Appearance	Black
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238, ISO 1133
Water Absorption [1] (23°C, 24 hr)	0.90	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	36		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	28.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	600	%	ASTM D638, ISO 527-2
Flexural Modulus	40.0	MPa	ASTM D790, ISO 178
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	100	kN/m	ASTM D1004
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	105	°C	ISO 306/A50, ASTM D1525 [2]
Peak Melting Temperature	150	°C	ASTM D3418, ISO 3146

NOTE	
1.	Immersion
2.	Rate A (50°C/h), Loading 1 (10 N)

Recommended distributors for this material

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