

Sipolprene® 72220

Thermoplastic Copolyester Elastomer

SIPOL S.p.A

Message:

Sipolprene® 72220 is an ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 72, a high modulus, and a rheological behaviour, which makes it suitable for injection molding and extrusion processing.

Sipolprene® 72220 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.

General Information	
Additive	Unspecified Stabilizer
Features	Food Contact Acceptable
Agency Ratings	EU 10/2011
	FDA Food Contact, Unspecified Rating
Appearance	Natural Color
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238, ISO 1133
Water Absorption (23°C, 24 hr)	0.10	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	55.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	450	%	ASTM D638, ISO 527-2
Flexural Modulus	420	MPa	ASTM D790, ISO 178
Abrasion Resistance	39.0	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	249	kN/m	ASTM D1004
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	211	°C	ISO 306/A50, ASTM D1525 1
Peak Melting Temperature	219	°C	ASTM D3418, ISO 3146

NOTE			
------	--	--	--

1. Rate A (50°C/h), Loading 1 (10 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

