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dryflex®

603581

Preliminary datasheet

General

Dryflex 603581	Thermoplastic Elastomer
Material Type	TPS-SEBS
Hardness	59 Shore A (4mm)
Service Temperature Range	-50 - +125 °C (unstressed material)
Colour	Natural, but can be available in any colour.
Presentation	Free flowing pellets that can be processed without predrying, when stored under normal conditions.
Weather Resistance	Excellent
Chemical Resistance	Good (excluding organic solvents, aromatic- and vegetable oils)
Recyclability	100% recyclable
Mould Shrinkage (linear)	0.8 to 2.0 % depending on mould design and moulding conditions.

Processing

The material has excellent processing characteristics and can be processed using conventional thermoplastic fabricating methods, including injection moulding and extrusion.

Processing Temperatures	Injection Moulding	Extrusion
Barrel Temperatures °C	180 - 210	150 - 210
Mould Temperatures °C	30 - 60	

Typical Properties

Property	Units	Typical Value	Test Method
Hardness	Shore A (4mm)	59	ASTM D 2240
Specific Gravity	g/cm ³	1,18	ASTM D 792
Tensile Strength	MPa	6,0	ASTM D 638
Tear Strength	kN/m	30,0	ASTM D 624
Modulus at 100% Strain	MPa	1,8	ASTM D 638
Modulus at 300% Strain	MPa	3,3	ASTM D 638
Elongation at Break	%	550	ASTM D 638
Melt Flow Rate	g/10 min 190°C/10kg	15,0	ASTM D 1238

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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