

EXCELINK 1800B

Thermoplastic Vulcanizate

JSR Corporation

Message:

EXCELINK 1800B is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of EXCELINK 1800B are:

Strong adhesion

high liquidity

Good processability

The typical application field of EXCELINK 1800B is: sealing application

General Information			
Features	Good formability		
	Good adhesion		
	High liquidity		
Uses	Seals		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	34	g/10 min	ISO 1133
230°C/5.0 kg	270	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow			ISO 37
100% strain	3.30	MPa	ISO 37
300% strain	4.10	MPa	ISO 37
Tensile Stress - Across Flow (Yield)	8.40	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	650	%	ISO 37
Compression Set			ISO 815
23°C, 22 hr	42	%	ISO 815
70°C, 22 hr	59	%	ISO 815
Optical	Nominal Value		Test Method
Gloss (60°)	66		ISO 2813
Additional Information			

Adhesive Strength, JSR Method, 200 mm/min: 3.6 MPaAdhesive Elongation, JSR Method, 200 mm/min: 220%

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