

KOPEL® KP3855FB

Thermoplastic Polyester Elastomer

Kolon Plastics, Inc.

Message:

KOPEL® KP3855FB is a Thermoplastic Polyester Elastomer (TPEE) product. It is available in Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive. Primary characteristic: flame rated.

General Information			
Uses	Automotive Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.6	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.020	%	ASTM D4019
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	29.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	470	%	ASTM D638
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	5.00	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	190	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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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



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