

Kumho ABS 775T

Acrylonitrile Butadiene Styrene
Korea Kumho Petrochemical Co., Ltd.

Message:
Features: Refrigerator sheet, Thin layer use
Applications: Refrigerator inner case, door liner (Cyclepentane foaming agent use)

General Information			
UL YellowCard	E65424-558448		
Uses	Household Goods		
UL File Number	E65424		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
200°C/21.6 kg	6.0	g/10 min	ASTM D1238
220°C/10.0 kg	4.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.50 to 0.80	%	ASTM D955
--	0.50 to 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	47.1	MPa	ASTM D638
Yield	45.0	MPa	ISO 527-2
Tensile Elongation			
Yield	20	%	ASTM D638
Break	22	%	ISO 527-2
Flexural Modulus			
--	2350	MPa	ASTM D790
--	2400	MPa	ISO 178
Flexural Stress			
--	68.0	MPa	ISO 178
Yield	65.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	34	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.20 mm	390	J/m	ASTM D256
23°C, 6.40 mm	310	J/m	ASTM D256
23°C	33	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	94.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	88.0	°C	ASTM D648
1.8 MPa, Unannealed	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B50, ASTM D1525 1
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		

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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

