

ABS 775K

ABS

Kumho Petrochemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	45	MPa	ISO 527
Strain at break	27	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	64	MPa	ISO 178
Charpy impact strength, +23°C	34	kJ/m ²	ISO 179/1eU
Izod impact strength, +23°C	33	kJ/m ²	ISO 180/1U
Rockwell hardness	R 105	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	83	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	94	°C	ISO 75-1/-2
Vicat softening temperature, B	98	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific

Applications

Refrigeration