

**H2938DS**

ABS

Kumho Petrochemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	45	MPa	ISO 527
Strain at break	24	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	69	MPa	ISO 178
Charpy impact strength, +23°C	21	kJ/m <sup>2</sup>	ISO 179/1eU
Izod impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 180/1U
Rockwell hardness	R 107	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	46.3	MPa	ASTM D 638
Flexural Modulus	2203	MPa	ASTM D 790
Flexural Strength	62.7	MPa	ASTM D 790
Rockwell Hardness	R 107	-	ASTM D 785
Izod Impact unnotched, 1/8 in	246	J/m	ASTM D 256
Izod Impact unnotched, 1/4 in	208	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	95	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525
<b>Other properties</b>			
Density	1050	kg/m <sup>3</sup>	ISO 1183
Density	1050	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

Automotive