

HP840R

PP

Rayomand Petroleum and Energy Commercial Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	41	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Flexural Modulus	2350	MPa	ASTM D 790
Rockwell Hardness	R 111	-	ASTM D 785
Izod Impact notched, 1/8 in	31	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	128	°C	ASTM D 648
Vicat Temperature	159	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Gloss	95	-	ASTM D 2457
Haze	40	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	910	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Packaging

Features

High Gloss, Homopolymer

Regional Availability

Asia Pacific

Certifications

Food contact, Food approval FDA 21 CFR