

## General Information

**TAFMER™ DF640**, ethylene based polymer, is a specialty olefinic resin designed to improve impact resistance, flexibility and softness of Polyethylene (PE) and Polypropylene (PP).

**Physical Attributes:** Low specific gravity  
Low melting point  
Softness and elasticity  
Transparency  
Good impact resistance at low temperature

**Chemical Attributes:** PE miscibility, PP compatibility  
Good filler containability  
Foamability  
Crosslinkability

**FDA/EU Directive Conformity:** Conforms to FDA and EU Directive  
Please contact Mitsui sales representatives for more information

**Others:** Packed in pellet form  
Gel content not controlled for film application

Physical Properties	Test Method	Unit	Value
MFR(190°C/2.16kg)	ASTM D1238	g/10min	3.6
MFR(230°C/2.16kg)	ASTM D1238	g/10min	6.7
Density	ASTM D1505	kg/m <sup>3</sup>	864
Mechanical Properties	Test Method	Unit	Value
Tensile Strength at Break	ASTM D638	MPa	> 3
Elongation at Break	ASTM D638	%	> 1000
Torsional Rigidity	ASTM D1043	MPa	2
Surface Hardness (Shore A)	ASTM D2240	—	56
Thermal Properties	Test Method	Unit	Value
Melting Point	MCI Method	°C	< 50
Brittleness Temperature	ASTM D746	°C	< -70

### Disclaimer:

Information contained herein is based on the material, information and data available as of the end of December 2011. No warranty is given for any data or evaluation results contained herein. It is also assumed that the product is to be used under normal conditions and with due precautions. If the product is to be used in any special manner, the user is requested safety measures to meet such new use or application.