ROYALTUF™ 485

Polymer Modifier

ROYALTUF™ 485 is a maleic anhydride modified ethylene-propylene-non-conjugated diene (EPDM) terpolymer.

Contact AKROCHEM CORPORATION
(330) 535-2100 (800) 321-2260
Fax (330) 535-8947
info@akrochem.com / www.akrochem.com

CAS Number 25038-36-2

Typical Physical Properties of ROYALTUF™ 485

Property	Typical Value	Test Based On
Appearance	Off-white Rubbery Pellet	Visual
EPDM Backbone	Semi-crystalline Elastomer	DSC
Mooney Viscosity (1+4) @ 125°C	30	ASTM D-1646
Maleic Anhydride Content	Medium*	ASTM D-6047
Density @ 23°C	0.87 g/cm^3	ASTM D-792
Bulk Density	0.6 g/ cm^3 (maximum)	ASTM D-1895B
Glass Transition Temperature (Tg)	-37°C	DSC

*** Medium = Maleic Anhydride Content typically in the range of 0.4 to 0.6%.**

Applications

- Rubbery modifier for polyamides polymers providing improved impact resistance at room temperature
- Semi-crystalline backbone imparting good impact properties in polyamides at temperatures down to -30°C
- Impact modifier giving "Super-Tough" polyamide properties when used at 20% loading
- Free flowing pellets are dusted facilitating storage and handling

Food Contact

For details please contact SI Group Regulatory Affairs

Regulatory Status

The components of **ROYALTUF™ 485** are listed on USA TSCA inventory. For information on other inventory listings, see Section 15 (Regulatory Information) of the MSDS for **ROYALTUF™ 485**.

Storage & Handling Precautions

ROYALTUF™ 485 is coated with micro-pulverized polyethylene dusting agent. Dust generated during handling and processing can be irritating. Provide proper ventilation and dust collection at machinery. Fine dust dispersed in air may ignite. Keep away from heat and sources of ignition. Keep containers tightly closed when stored. Store in a dry, well-ventilated space.

For additional handling and toxicological information consult the SI Group Material Safety Data Sheet